

Fig.2

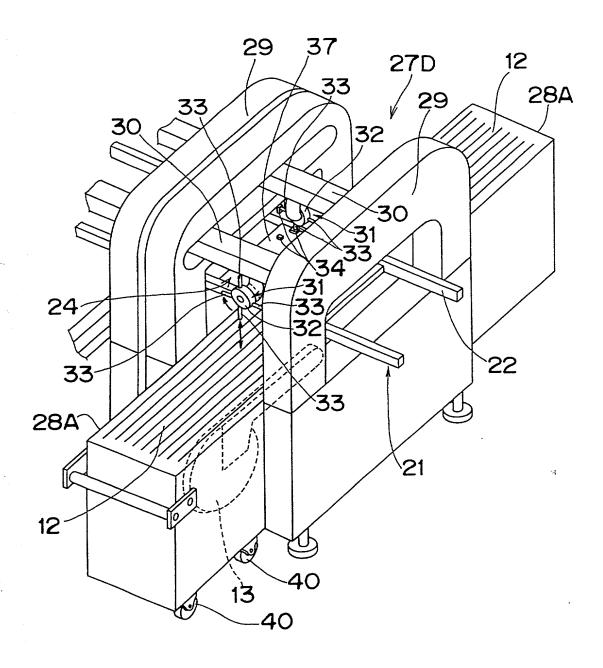


Fig.3

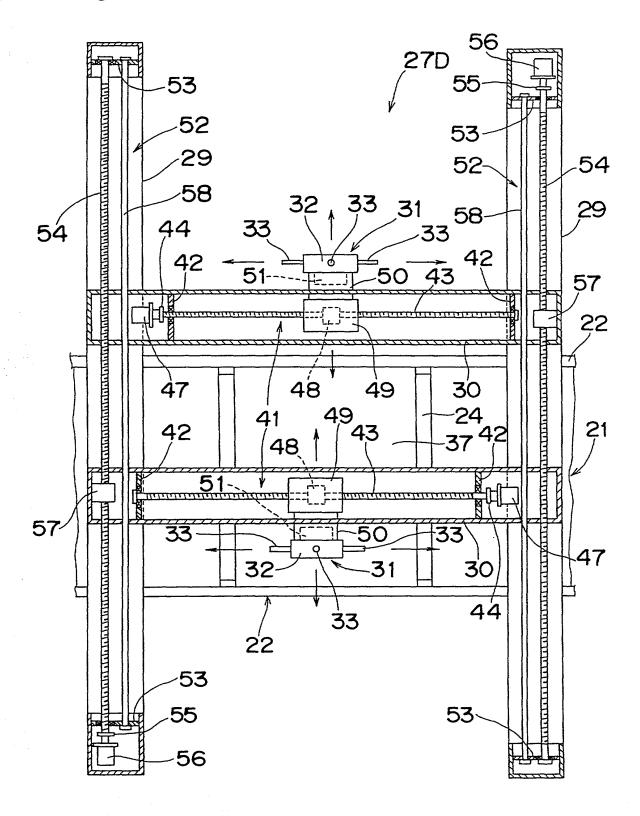


Fig. 4

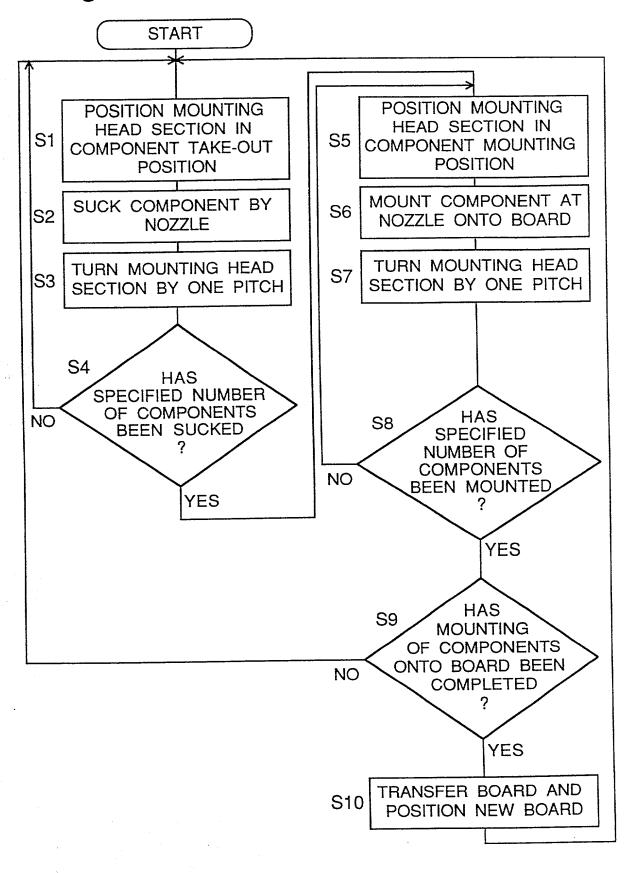


Fig.5

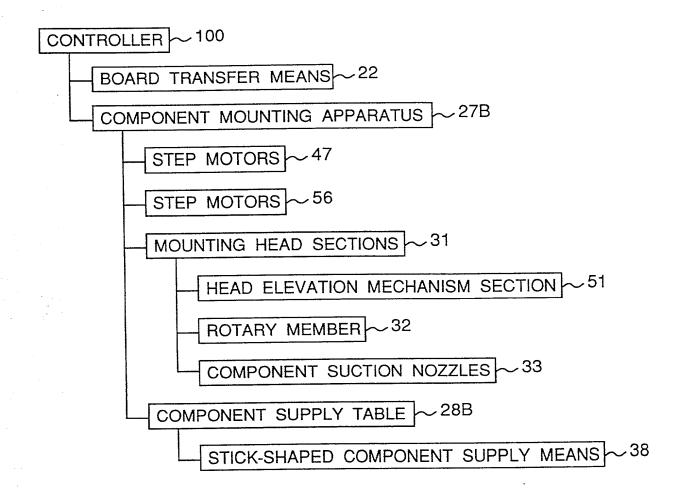


Fig. 6

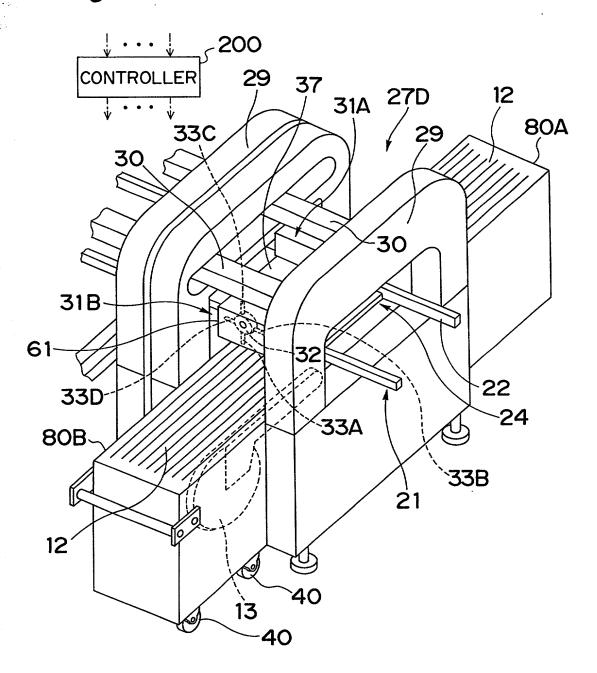
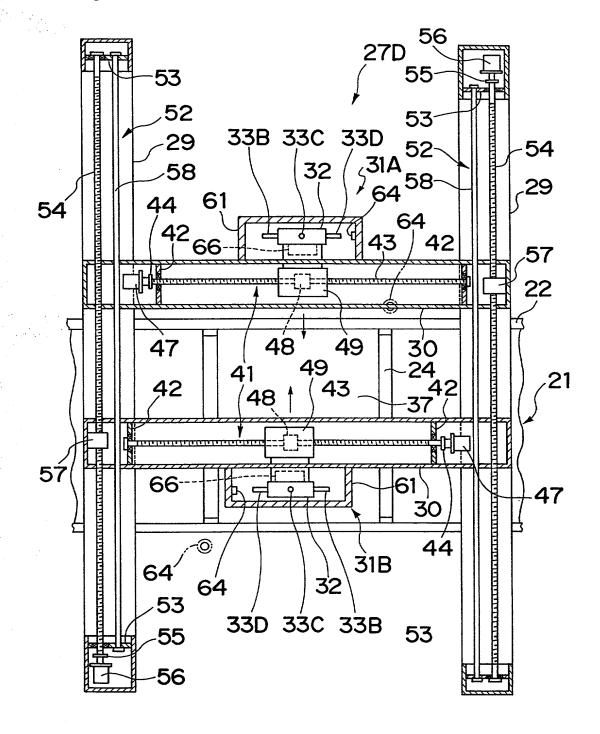
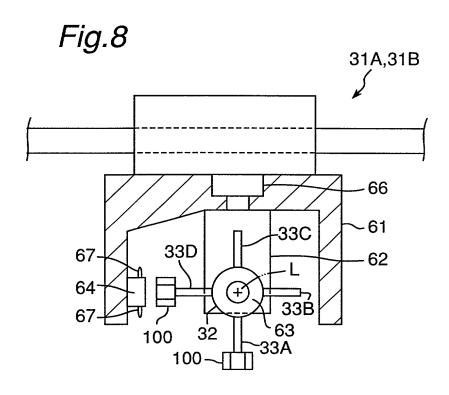


Fig. 7





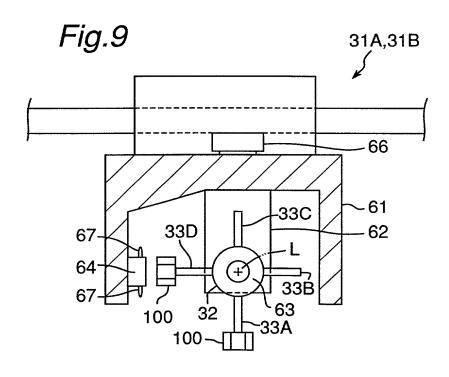


Fig.10

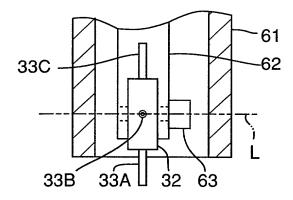


Fig.11

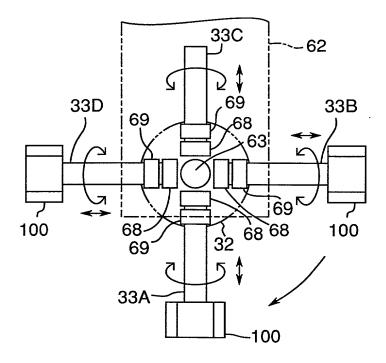


Fig. 12

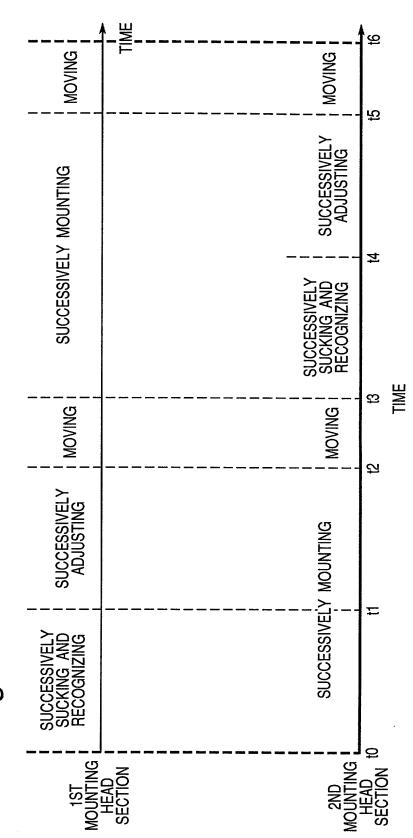
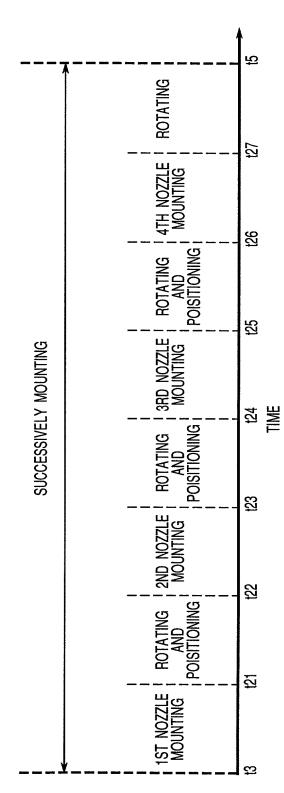
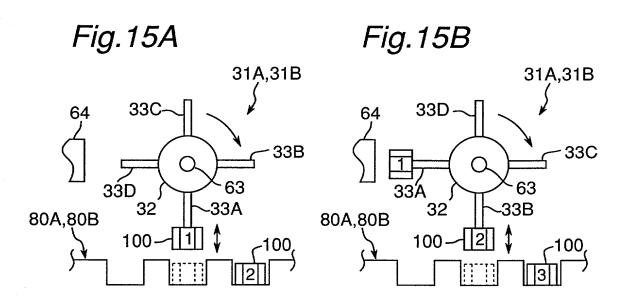


Fig. 13

	4	١.	
SUCCESSIVELY SUCKING AND RECOGNIZING	4TH NOZZLE IRECOGNIZING	t18 t1	
	ROTATING	1	
	4TH NOZZLE SUCKING 3RD NOZZLE RECOGNIZING	116 11	TIME
	ROTATING AND POSITIONING	t15 t	
	3RD NOZZLE SUCKING 2ND NOZZLE RECOGNIZING	t14 t	
	ROTATING AND POSITIONING	t13 t	
	2ND NOZZLE SUCKING SUCKING AND AND 1ST NOZZLE POSITIONING RECOGNIZING	t12 t	
	ROTATING AND POSITIONING	H t	
	1ST NOZZLE SUCKING	0	

Fig. 14





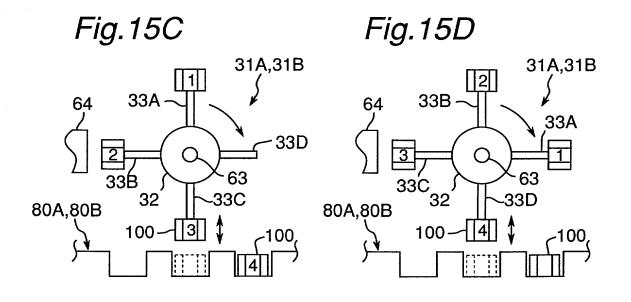


Fig.16A

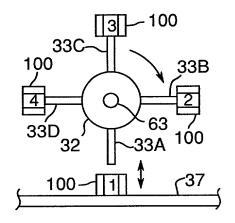


Fig.16B

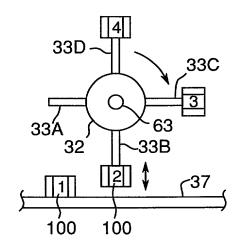


Fig.16C

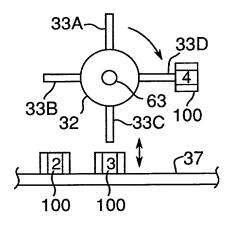
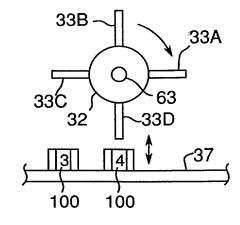
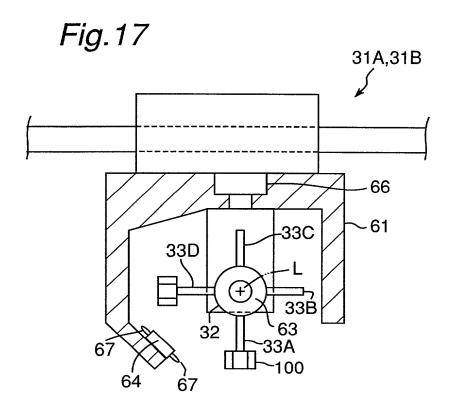


Fig.16D





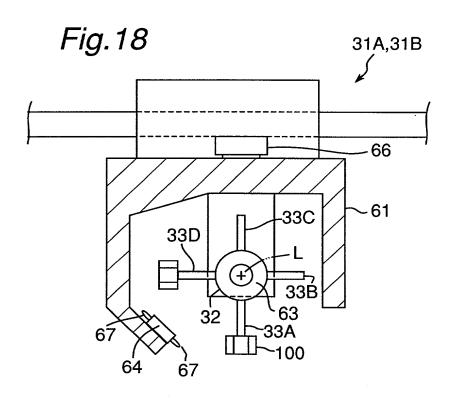


Fig. 19

SUCCESSIVELY SUCKING AND RECOGNIZING 1ST NOZZLE 1ST NO		1	\	
POSITIONING ROTATING POSITIONING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING RECOGNIZING		ROTATING 4TH NOZZLE RECOGNIZING	40 t	139
POSITIONING ROTATING POSITIONING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING SUCKING RECOGNIZING RECOGNIZING		4TH NOZZLE SUCKING		
POSITIONING ROTATING POSITIONING SUCKING IRECOGNIZING SUCKIN				
POSITIONING ROTATING POSITIONING SUCKING RECOGNIZING RECOGNIZI		ROTATING SECOGNIZING		
POSITIONING ROTATING POSITIONING SUCKING RECOGNIZING RECOGNIZI	RECOGNIZING	SUCKING IF		TIME
POSITIONING SUCKING SU	SUCCESSIVELY SUCKING AND	POSITIONING		
POSITIONING SUCKING SU		Rotating	t32 t33 t34	
POSITIONING 1		SUCKING I		
ROTATING SUCKING IRECOGNIZING I				
1ST NOZZIE SUCKING I		ROTATING 1ST NOZZLE 1ST NOZZLE 1		
		SUCKING II	10 fé	•

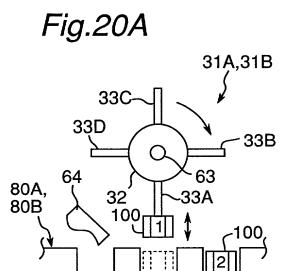


Fig.20B

31A,31B

33D

33C

33A

63

80A, 64

100

32

Fig.20C

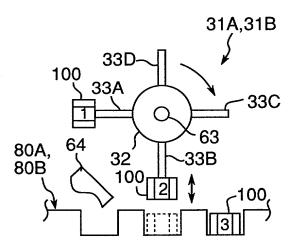
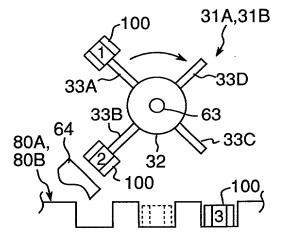
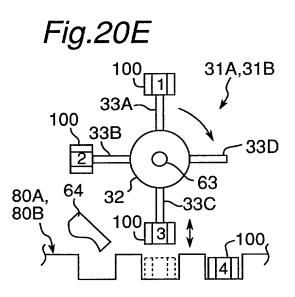
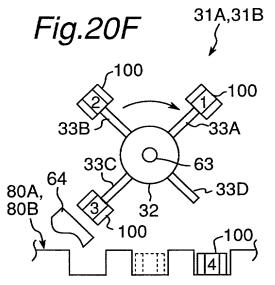
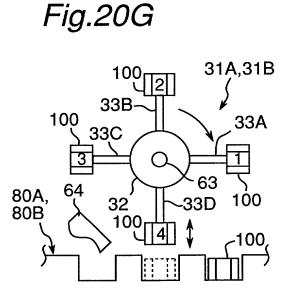


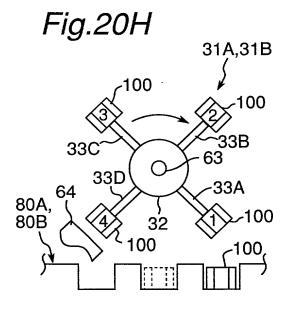
Fig.20D

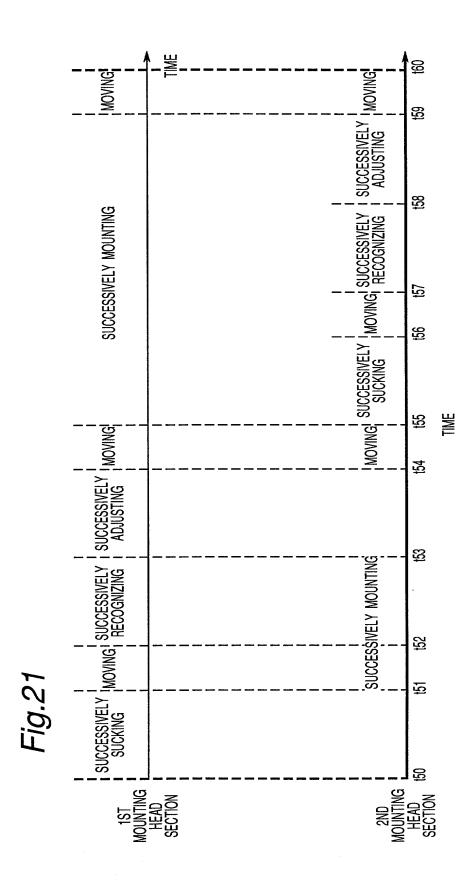


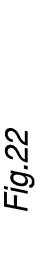












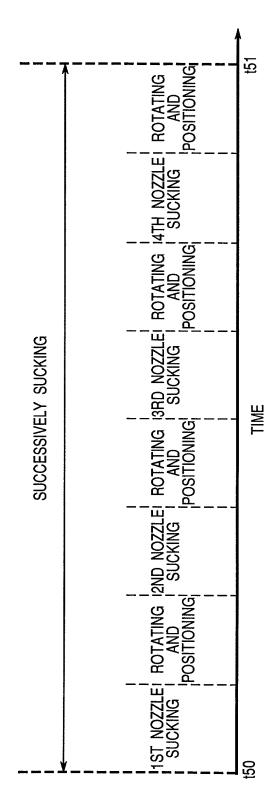
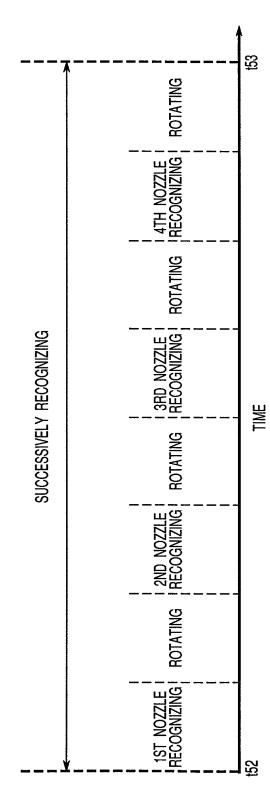


Fig.23



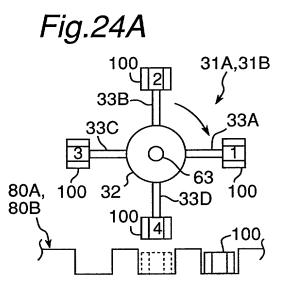


Fig.24B

100
31A,31B
33C
33D
33B
4
2
100
32
33A
100
67
67
67
67

Fig.24C

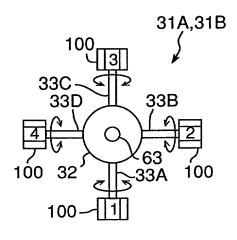


Fig.24D

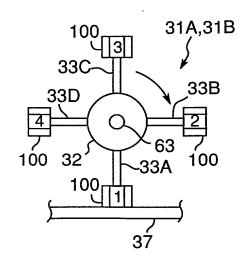


Fig.25

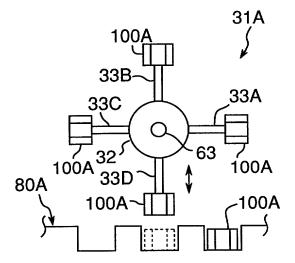
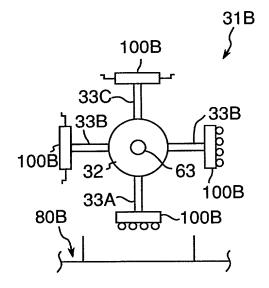
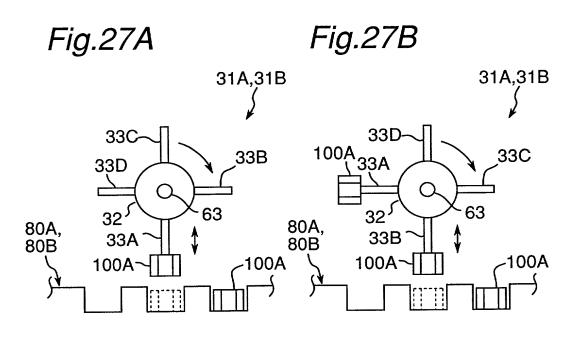
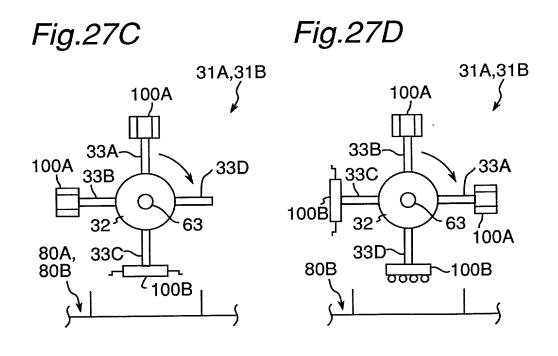
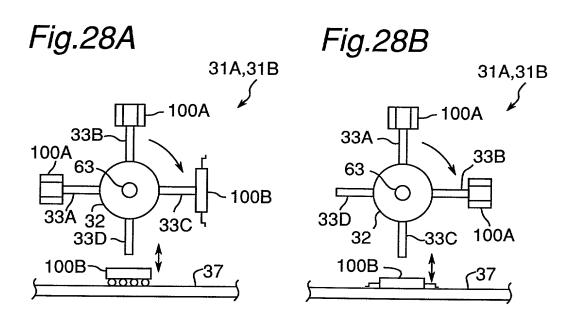


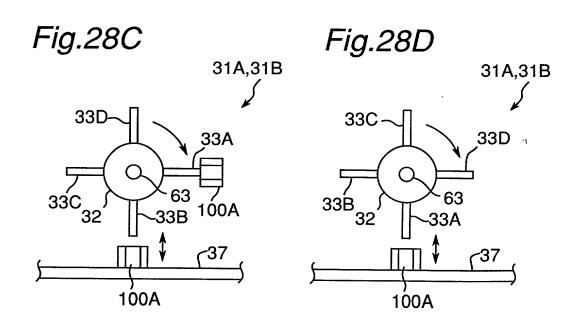
Fig.26











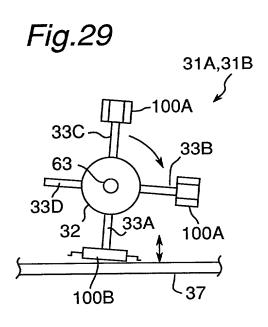


Fig.30A

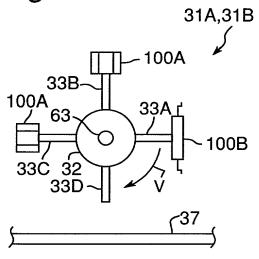


Fig.30B

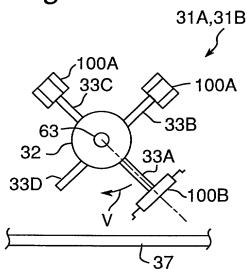


Fig.30C

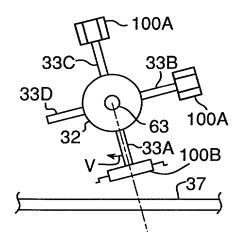
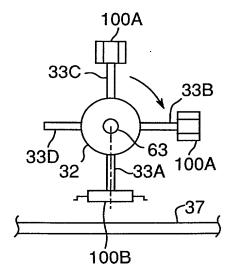
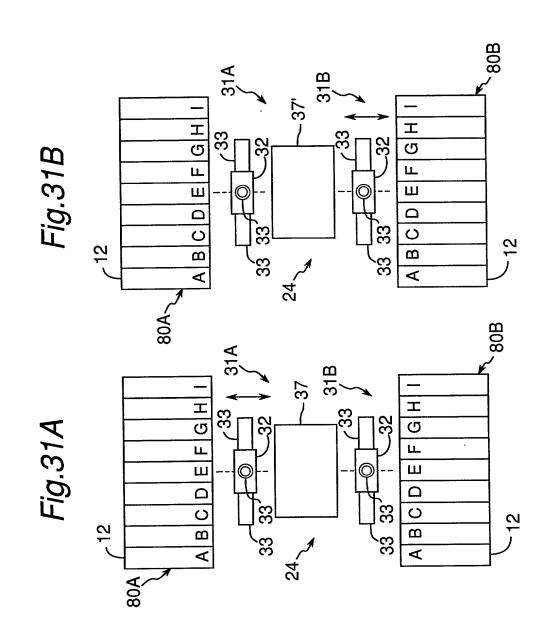


Fig.30D





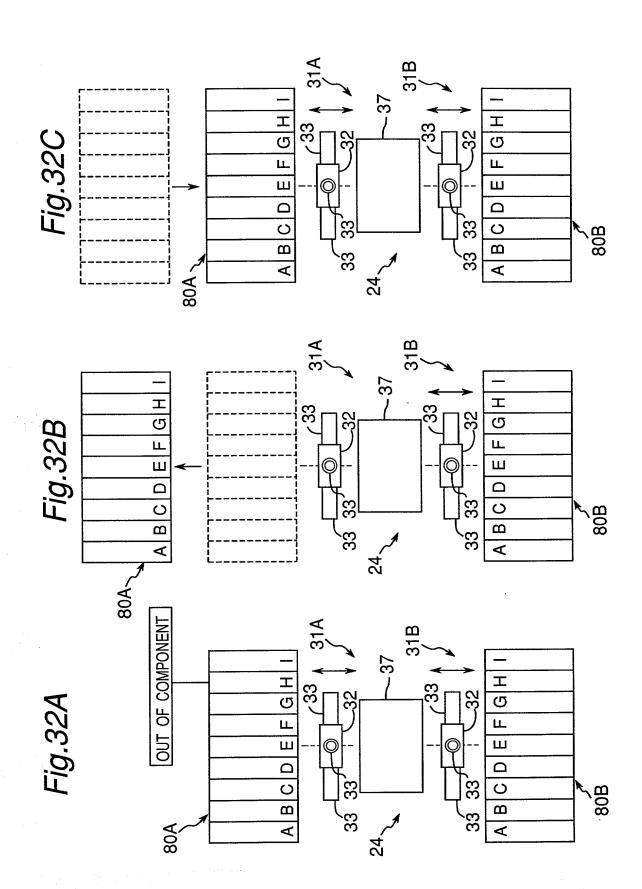


Fig.33

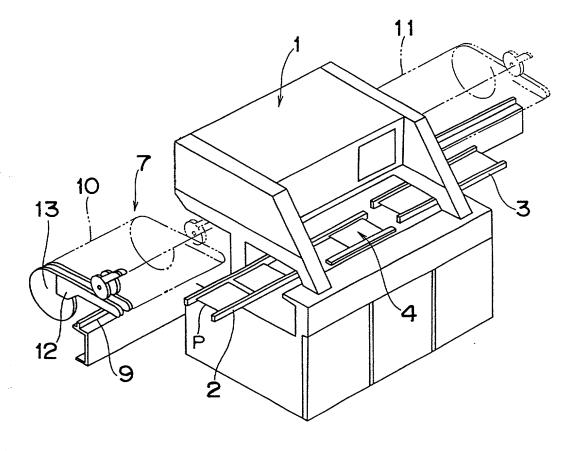


Fig.34

